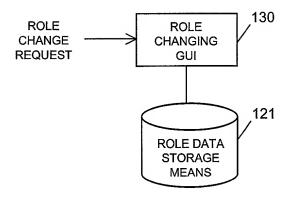
#### FIG. 1



#### FIG. 2

```
/* role change request data structure */
request-info {
+ role indicator
+ other optional request information
}
```

#### FIG. 3

- 1 /\* simplified algorithm for a Collection Role Changing GUI \*/
- 2 Receive a request to change to a new GUI role
- 3 Obtain role definition data from role data storage system
- 4 Update GUI data structures and display the requested role

-

FIG. 4

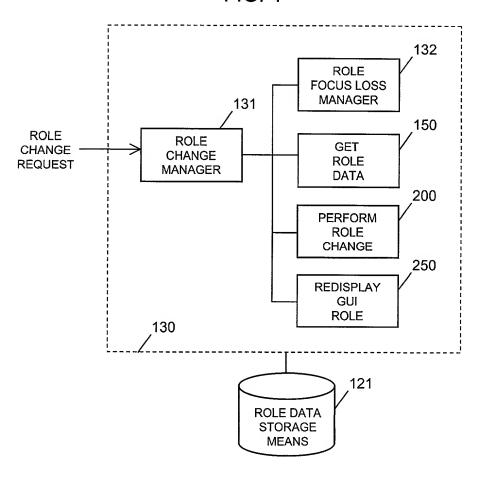


FIG. 5

- 1 /\* simplified algorithm for a Role Change Manager \*/
- 2 Receive role change request
- 3 Perform loss of focus actions for current role
- 4 focus loss manager performs cleanup operations
  - focus loss manager performs logging and other operations
- 6 Obtain a new role definition from role data storage system
- 7 Perform the requested role change, and do focus gain actions
- 8 Redisplay the new GUI role

5

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FIG. 6

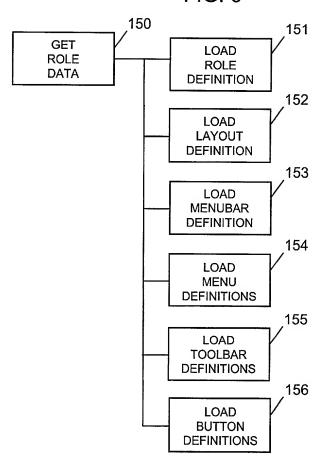


FIG. 7

- 1 /\* simplified algorithm for Module Get Role Data \*/
- 2 Load role definition from role data storage system
- 3 Load layout definition
- 4 Load menubar definition
- 5 Load menu definitions
- 6 Load toolbar definitions
- 7 Load button definitions

+

PERFORM
ROLE
CHANGE

200

201

UPDATE
INTERNAL
DATA STRUCTS

202

ROLE
FOCUS GAIN
MANAGER

FIG. 9

- 1 /\* simplified algorithm for Module Perform Role Change \*/
- 2 Update internal data structures with new role data
- 3 Perform role focus gain actions

+

#### FIG. 10

- extensible-gui.cfg: 1
- # initial default values for an extensible gui 2
- 3

- gui-initial-role-name 4
- gui-initial-role-name role-manager ... other initial GUI configuration values

### FIG. 11

1 2	name-role.tbl: # table of named	roles
3	# name	definition-file
4	manager	role-manager.def
5	developer	role-developer.def
6	role-manager.def	
7	role-layout	layout-manager
8	role-fgroup	fg-default
9	role-fvar	role-name default
10	focus-gain	<a action="" execute="" focus="" gain="" gui="" on="" to=""></a>
11	focus-loss	<a action="" execute="" focus="" gui="" loss="" on="" to=""></a>
12	role-developer.de	əf:
13	role-layout	layout-developer
14	role-fgroup	fg-office-servers
15	role-fgroup	fg-office-repositories
16	role-fvar	role-name developer
17	focus-gain	<a action="" execute="" focus="" gain="" gui="" on="" to=""></a>
18	focus-loss	<a action="" execute="" focus="" gui="" loss="" on="" to=""></a>

# layout names and their of the layout names and their of the layout-default layout-programmer layout-html-worker	lefinition files layout-default.def layout-programmer.def layout-html-worker.def
layout-manager	layout-manager.def
layout-programmer.def:	
# GUI layout definitions for	an office programmer
#	[g
lavout-menubar	mbar-programmer
•	tbar-office-dev-one
layout-toolbar	tbar-office-dev-two
layout-manager.def:	
	a manager
#	
layout-menubar	mbar-manager
-	tbar-office
•	tbar-task-assignment-buttons
layout-toolbar	tbar-project-ops-buttons
	# layout names and their of # layout-default layout-programmer layout-html-worker layout-manager layout-programmer.def: # GUI layout definitions for # layout-menubar layout-toolbar layout-manager.def: # GUI layout definitions for # layout-menubar layout-menubar layout-menubar layout-toolbar layout-toolbar layout-toolbar layout-toolbar layout-toolbar

1	name-menubar.tbl:			
2	# menu bar names and their definitions			
3	#			
4	mbar-default		mbar-de	efault.def
5	mbar-m	anager	mbar-manager.def	
6	mbar-programmer		mbar-pr	ogrammer.def
7	mbar-mine		mbar-m	ine.def
8		efault.def:		
9	# a mer	nu bar definiti		
10	•	renu-label	hotkey	menu-name
11	menu	"File"	F	menu-file
12	menu	"Edit"	Е	menu-edit
13	menu	"Coll"	С	menu-collection
14	menu	"CKS"	K	menu-cks
15	menu	"Help"	Н	menu-help
16	mbar-manager.def:			
17	# menu	bar for a ma	_	
18	menu	"File"	F	menu-file
19	menu	"Edit"	E	menu-edit
20	menu	"Coll"	С	menu-collection
21	menu	"Projects"	Р	menu-project
22	menu	"Teams"	T	menu-team
23	menu	"Staff"	S	menu-personne

1 2	name-menu.tbl: # menus and their definition files				
3	#				
4	menu-cks		menu-cks.def		
5	menu-collection		menu-collection.def		
6	menu-edit		menu-edit.def		
7	menu-file		menu-file.def		
8	menu-help		menu-help.def		
9 10	menu-personnel		menu-personnel.def menu-project.def		
11	menu-project menu-team		menu-team.def		
	mend-team.der				
12	menu-file.def:				
13	# definition for	File m	enu		
14	#				
15	menu	menu			
16	menu-choice	"New		N	a-coll-file-new
17	menu-choice	"Ope		0	a-coll-file-open
18	menu-choice	"Save		S	a-coll-file-save
19	menu-choice end-menu	"Save As"		A	a-coll-file-save-as
20	ena-menu				
21 22 23	menu-collection.def: # definition for Coll menu #				
24 25 26 27	menu menu-choice menu-choice end-menu	menu "Insta "Prev	all"	l P	a-coll-select-and-install a-coll-select-prev-coll

1	name-toolbar.tbl:		
2	# toolbars and their definitions		
3	#		
4	tbar-default	tbar-default.def	
5	tbar-programmer	tbar-programmer.def	
6	tbar-office	tbar-office.def	
7	tbar-office.def:		
8	# toolbar definitions		
9	#		
10	tbar	tbar-default	
11	tbar-type	tbar-t-technical	
12	tbar-display-text	yes	
13	tbar-display-icons	yes	
14	#		
15	tbar-button	button-file-new	
16	tbar-button	button-file-open	
17	tbar-button	button-file-save	
18	tbar-separator		
19	tbar-button	button-cut	
20	tbar-button	button-copy	
21	tbar-button	button-paste	
22	tbar-separator		
23	tbar-button	button-coll-select	
24	tbar-button	button-help	
25	tbar-button	button-exit	
26	#		
27	end-tbar		

### FIG. 16

1	name-button.tbl:		
2	# toolbar buttons and their definition files		
3	#		
4	button-file-new	buttons-default.def	
5	button-file-open	buttons-default.def	
6	button-file-save	buttons-default.def	
7	button-select	buttons-default.def	
8	button-help	buttons-default.def	
9	button-exit	buttons-default.def	
10	buttons-default.def:		
10 11	buttons-default.def: # definitions for default	t buttons	
. •		buttons	
11	# definitions for default	buttons	
11 12	# definitions for default		
11 12 13	# definitions for default # button	button-file-open	
11 12 13 14	# definitions for default # button button-text	button-file-open "File Open"	
11 12 13 14 15	# definitions for default # button button-text button-icon	button-file-open "File Open" icon-file-open	
11 12 13 14 15 16	# definitions for default # button button-text button-icon button-action	button-file-open "File Open" icon-file-open	

### FIG. 17

2	# list of symbolic ico	n names
3	#	
4	icon-select	icon-select.ico
5	icon-exit	icon-exit.ico
6	icon-file-open	icon-file-open.bmp
7	icon-file-save	icon-file-save.bmp

name-icons.tbl:

1	name-action.tbl:		
2	# action names and their definition files		
3	# name	definition-file	
4	#		
5	a-coll-file-edit	a-coll.def	
6	a-coll-file-new	a-coll.def	
7	a-coll-file-open	a-coll.def	
8	a-coll-file-save	a-coll.def	
9	a-coll-build-and-export	a-action-misc.def	
9	•••		
10	a-focus-coll	a-focus-coll.def	
11	a-focus-repository	a-focus-repository.def	
12	a-focus-prev-role	a-focus-prev-role.def	
13	•••		
14	a-display-message	a-action-misc.def	
15	a-file-cmd-dir	a-action-misc.def	
16	a-edit-find-and-replace	a-action-misc.def	
17	•••		
18	a-filename-set	a-action-vars.def	
19	a-pathname-set	a-action-vars.def	